

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	9	((NORYO) near2 (NISHIJIMA)).INV.	US-PGRUB; USPAT	ADJ	ON	2008/09/17 12:47
S2	31	((NORIO) near2 (NAKAZATO)).INV.	US-PGRUB; USPAT	ADJ	ON	2008/09/17 12:47
S4	11	((YASUO) near2 (OSONE)).INV.	US-PGRUB; USPAT	ADJ	ON	2008/09/17 12:48
S6	40	361/277,278,279,280,281,282,283.1,283.2,283.3,283.4,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298.1,299.1,299.2,299.3,299.3,299.4,299.5,298.2,298.3,298.4,298.5,300.cds. ans switch	US-PGRUB; USPAT	ADJ	ON	2008/09/17 13:18
S7	474	361/277,278,279,280,281,282,283.1,283.2,283.3,283.4,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298.1,299.1,299.2,299.3,299.3,299.4,299.5,298.2,298.3,298.4,298.5,300.cds. and switch	US-PGRUB; USPAT	ADJ	ON	2008/09/17 13:19
S8	36	361/277,278,279,280,281,282,283.1,283.2,283.3,283.4,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298.1,299.1,299.2,299.3,299.3,299.4,299.5,298.2,298.3,298.4,298.5,300.cds. and switch and fixed capacitor	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/09/17 13:19
S9	31	361/277,278,279,280,281,282,283.1,283.2,283.3,283.4,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298.1,299.1,299.2,299.3,299.3,299.4,299.5,298.2,298.3,298.4,298.5,300.cds. and switch and fixed capacitor and parallel	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/09/17 13:20
S10	5	variable capacitor with switch with fixed capacitor and "361" das.	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/09/17 13:26
S11	188	(variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) with switch with fixed near2 (capacitor or condensor)	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/09/24 16:00
S12	100	(variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) with fixed near2 (capacitor or condensor) with (coupl\$4 or connect\$4) and (variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) with fixed near2 (capacitor or condensor) with switch	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/09/24 16:02
S13	27	(variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) with fixed near2 (capacitor or condensor) with (coupl\$4 or connect\$4) and (variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) with fixed near2 (capacitor or condensor) with switch and MEMS	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/09/24 16:04
S14	1	2004-783525.NRAN.	DERWENT	ADJ	ON	2008/09/24 16:07
S15	88	S11 not S12	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/09/24 16:23
S17	39	361/277-300.cds. and MEMS with switch and substrate	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/09/24 16:30
S18	40	361/277-300.cds. and MEMS with switch same substrate same fixed (capacitor or condensor)	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/09/24 16:30
S19	2	361/277-300.cds. and MEMS with switch same substrate and fixed (capacitor or condensor)	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/09/24 16:30
S20	2	(varactor) with fixed near2 (capacitor or condensor) with (coupl\$4 or connect\$4) and (variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) with fixed near2 (capacitor or condensor) with switch and MEMS	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/09/24 16:31
S21	16	361/277-300.cds. and MEMS with switch same substrate	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/09/24 16:31
S22	148	MEMS with switch same substrate same ((variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) or varactor)	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/09/25 06:35
S23	276	MEMS with switch same substrate same (capacitor or condensor)	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/09/25 06:42
S26	2	switch with substrate with ((variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) or varactor) with fixed (capacitor or condensor)	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/09/25 06:47
S27	9	switch same substrate same ((variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) or varactor) with fixed (capacitor or condensor)	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/09/25 06:48

S28	5	"2004327877" or "2004328561" or "4023372"	JPO; DERIVENT	ADJ	ON	2008/09/25 06:49
S29	31	(MEMS or microelectro\$4 mechanical or micro electro\$4 mechanical) with switch with substrate with ((variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) or varactor)	US-PGRUB; USPAT; EPO; JPO; DERIVENT	ADJ	ON	2008/09/25 06:53
S30	96	(MEMS or microelectro\$4 mechanical or micro electro\$4 mechanical) with switch with substrate with (capacitor or condensor)	US-PGRUB; USPAT; EPO; JPO; DERIVENT	ADJ	ON	2008/09/25 06:53
S31	7	substrate and switch and fixed (capacitor or condensor) and ((variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) or varactor)).dm.	US-PGRUB	ADJ	ON	2008/09/25 07:11
S32	146	switch with fixed (capacitor or condensor) with ((variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) or varactor)	US-PGRUB; USPAT; EPO; JPO; DERIVENT	ADJ	ON	2008/09/25 08:06
S33	9	("20030098698"   "4399407"   "4833400"   "5155437"   "5293308"   "5444376"   "5461316"   "5677632"   "6396278").PNL OR ("7002351").URPN.	US-PGRUB; USPAT; USOCC	ADJ	ON	2008/09/25 08:17
S34	34	switch with fixed (capacitor or condensor) with ((variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) or varactor) and substrate	US-PGRUB; USPAT; EPO; JPO; DERIVENT	ADJ	ON	2008/09/25 08:20
S35	15	fixed (capacitor or condensor) with (surface or side) and ((variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) or varactor) with (surface or side) and switch with (surface or side)	US-PGRUB; USPAT; USOCC; EPO; JPO; DERIVENT	ADJ	ON	2008/09/25 13:04
S36	1	("2003/0218514").URPN.	USPAT	ADJ	ON	2008/09/25 13:08
S37	13	("3794941"   "4201960"   "5315204"   "5461353"   "6127908"   "6639493"   "6647036"   "6678436"   "6714700"   "6717491"   "6720851"   "6720852"   "6724280").PN	US-PGRUB; USPAT	ADJ	ON	2008/09/25 13:11
S38	920	3611/277,278,279,280.ods.	US-PGRUB; USPAT	ADJ	ON	2008/09/25 13:19
S39	71	3611/277,278,279,280.ods.	EPO; JPO; DERIVENT	ADJ	ON	2008/09/25 13:22
S40	2299	integrated and substrate and (capacitor or switch or resistor or inductor or electronic) with substrate with (opposite or oppose) with (side or surface)	US-PGRUB; USPAT; EPO; JPO; DERIVENT	ADJ	ON	2008/09/29 10:15
S41	1955	integrated and substrate and (capacitor or switch or electronic) with substrate with (opposite or oppose) with (side or surface)	US-PGRUB; USPAT; EPO; JPO; DERIVENT	ADJ	ON	2008/09/29 10:15
S42	1054	integrated and substrate and (capacitor or switch) with substrate with (opposite or oppose) with (side or surface)	US-PGRUB; USPAT; EPO; JPO; DERIVENT	ADJ	ON	2008/09/29 10:15
S43	845	integrated and substrate and (capacitor or switch) with substrate with (opposite or oppose) near4 (side or surface)	US-PGRUB; USPAT; EPO; JPO; DERIVENT	ADJ	ON	2008/09/29 10:15
S44	955	integrated and substrate and (capacitor or switch) with substrate with (opposite or oppose\$3) near4 (side or surface)	US-PGRUB; USPAT; EPO; JPO; DERIVENT	ADJ	ON	2008/09/29 16:22
S45	21133	(MEMS or microelectr\$4 mechanical or micor near electro\$4mechanical or micor electr\$4 mechanical or microelectr\$4mechanical) with switch	US-PGRUB; USPAT; USOCC; EPO; JPO; DERIVENT	ADJ	ON	2008/10/01 11:22
S46	480	(MEMS or microelectr\$4 mechanical or micor near electro\$4mechanical or micor electr\$4 mechanical or microelectr\$4mechanical) with switch with cantilever	US-PGRUB; USPAT; USOCC; EPO; JPO; DERIVENT	ADJ	ON	2008/10/01 11:23
S47	14	(MEMS or microelectr\$4 mechanical or micor near electro\$4mechanical or micor electr\$4 mechanical or microelectr\$4mechanical) with switch and two near4 wiring and cantilever	US-PGRUB; USPAT; USOCC; EPO; JPO; DERIVENT	ADJ	ON	2008/10/01 11:32
S48	403	(MEMS or microelectr\$4 mechanical or micor near electro\$4mechanical or micor electr\$4 mechanical or microelectr\$4mechanical) with switch.ab.tl. and cantilever	US-PGRUB; USPAT; USOCC; EPO; JPO; DERIVENT	ADJ	ON	2008/10/01 11:33
S49	224	(MEMS or microelectr\$4 mechanical or micor near electro\$4mechanical or micor electr\$4 mechanical or microelectr\$4mechanical) with (((variable or tunable or varied or tuned or tuning or varying) near3 (capacitor or condensor)) or varactor).ab.tl.	US-PGRUB; USPAT; USOCC; EPO; JPO; DERIVENT	ADJ	ON	2008/10/01 11:40

S50	131	(MEMS or microelectr\$4 mechanical or micor near electro\$4mechanical or micor electr\$4 mechanical or microelectr\$4mechanical) with (((variable or tunable or vaied or tuned or tuning or varying) near3 (capacitor or condensor))) or varactor).ab.ti. and capacitance	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/10/01 11:44
S51	1626	capacitor ab.ti. and comb	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/10/01 12:46
S53	157	(MEMS or microelectr\$4 mechanical or micor near electro\$4mechanical or micor electr\$4 mechanical or microelectr\$4mechanical) with (surface or side) with substrate and (capacitor or resitor or inductor) with (surface or side) with substrate	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/10/01 13:56
S54	138	(MEMS or microelectr\$4 mechanical or micor near electro\$4mechanical or micor electr\$4 mechanical or microelectr\$4mechanical) with (surface or side) with substrate and (capacitor or resitor or inductor) with (surface or side) with substrate and (opposite or back or rear or top or bottom) with (surface or side)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/10/01 13:58
S55	128	(MEMS or microelectr\$4 mechanical or micor near electro\$4mechanical or micor electr\$4 mechanical or microelectr\$4mechanical) with (surface or side) with substrate and (capacitor or resitor or inductor) with (surface or side) with substrate and (first or second or major) with (surface or side)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/10/01 14:04
S57	1724	(MEMS or microelectr\$4 mechanical or micor near electro\$4mechanical or micor electr\$4 mechanical or microelectr\$4mechanical) with (surface or side) with substrate and (first or second or major) with (surface or side)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/10/01 14:08
S58	1766	(MEMS or microelectr\$4 mechanical or micor near electro\$4mechanical or micor electr\$4 mechanical or microelectr\$4mechanical) with (surface or side) with substrate and (opposite or back or rear or top or bottom) with (surface or side)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/10/01 14:08
S59	242	(S57 or S58) and (real estate or footprint)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/10/01 14:08
S60	102	(MEMS or microelectr\$4 mechanical or micor near electro\$4mechanical or micor electr\$4 mechanical or microelectr\$4mechanical) with (surface or side) with (first or major or top or upper) with substrate and (capacitor or resitor or inductor) with (surface or side) with substrate	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/10/01 14:10
S61	1307	(MEMS or microelectr\$4 mechanical or micor near electro\$4mechanical or micor electr\$4 mechanical or microelectr\$4mechanical) with (surface or side) with substrate and integrat\$4 with (device or die or package or circuit)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/10/01 14:14
S62	2	("2004/0084766").URPL	USPAT	ADJ	ON	2008/10/01 14:19
S63	20	("2004/0016995").URPL	USPAT	ADJ	ON	2008/10/01 14:21
S64	149	(MEMS or microelectr\$4 mechanical or micor near electro\$4mechanical or micor electr\$4 mechanical or microelectr\$4mechanical) with (surface or side) with substrate and (capacitor or resitor or inductor) with (surface or side) with substrate and (first or second or major or opposite or upper or lower or top or bottom or back or rear or backside or front) with (surface or side)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/10/01 14:39
S66	231	(MEMS or microelectr\$4 mechanical or micor near electro\$4mechanical or micor electr\$4 mechanical or microelectr\$4mechanical) with (surface or side) with substrate and (capacitor or resitor or inductor or (electrical or electronic) (device or component) or passive (device or component)) with (surface or side) with substrate and (first or second or major or opposite or upper or lower or top or bottom or back or rear or backside or front) with (surface or side)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/10/01 14:40
S67	24	("20030119219"   "20040118599"   "20040140475"   "20060099742"   "5668033"   "6025767"   "6114794"   "6307169"   "6392144"   "6436853"   "6479921"   "6529093"   "6531668"   "6566170"   "6573822"   "6621137"   "6673697"   "6673698"   "6686820"   "6713314"   "6852926").RNL OR ("7183622").URPL	US-PGRUB; USPAT; USOCR	ADJ	ON	2008/10/01 14:45
S68	303	(active (device or component)) with (surface or side) with substrate and (capacitor or resitor or inductor or (electrical or electronic) (device or component) or passive (device or component)) with (surface or side) with substrate and (first or second or major or opposite or upper or lower or top or bottom or back or rear or backside or front) with (surface or side)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/10/01 14:58
S69	44	(active (device or component)) with (surface or side) with substrate and (capacitor or resitor or inductor or (electrical or electronic) (device or component) or passive (device or component)) with (surface or side) with substrate and (first or second or major or opposite or upper or lower or top or bottom or back or rear or backside or front) with (surface or side) and MEMS	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/10/01 14:59
S70	126	switch with fixed (capacitor or condensor) with ((variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) or varactor) and capacitance	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/10/02 06:47

S71	31	switch with fixed (capacitor or condensor) with ((variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) or varactor) and (farad or picofarad or nanofarad or microfarad or pf or nf or ".mu.f")	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/10/02 06:55
S73	347	switch with ((variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) or varactor) and (farad or picofarad or nanofarad or microfarad or pf or nf or ".mu.f") with (capacitor or condensor)	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/10/02 07:02
S74	9	"20030098698"   "4399407"   "4833400"   "5155437"   "5293308"   "5444376"   "5461316"   "5677632"   "6396278".PN. OR ("7002351").URPN.	US-PGRUB; USPAT; USOCR	ADJ	ON	2008/10/02 07:04
S75	12	"20020040991"   "20020168038"   "20030132820"   "20030146464"   "20040041671"   "5880921"   "6232847"   "6310419"   "6507475"   "6593672"   "6856206".PN. OR ("7155182").URPN.	US-PGRUB; USPAT; USOCR	ADJ	ON	2008/10/02 07:05
S76	232	switch with fixed (capacitor or condensor) with ((variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) or varactor) with parallel and (capacitance or farad or picofarad or nanofarad or microfarad or pf or nf or ".mu.f") with (capacitor or condensor or varactor)	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/10/02 08:58
S77	47	switch with fixed (capacitor or condensor) with ((variable or vary or varying or varied or tunable or tune or tuning or tuned) near3 (capacitor or condensor) or varactor) with parallel and (capacitance or farad or picofarad or nanofarad or microfarad or pf or nf or ".mu.f") with (capacitor or condensor or varactor)	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/10/02 10:11
S80	28	"MEMS" with capacitor	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	OFF	2009/05/19 15:25
S81	26	MEMS near5 fixed capacitor	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/05/21 10:58
S84	91	substrate same fixed capacitor same variable capacitor	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/05/21 13:02
S85	8	substrate same fixed capacitor same variable capacitor same (opposite or second) near3 (surface or side)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/05/21 13:03
S86	32	(US-20040214543-\$ or US-20050275474-\$ or US-20050261797-\$ or US-20040147237-\$ or US-20040016989-\$ or US-20050170637-\$ or US-20030218514-\$ or US-20020091421-\$ or US-2002008314-\$ or US-20020055260-\$ or US-20020171518-\$ or US-20010002872-\$ or US-20040084766-\$ or US-20040016995-\$ or US-20020135428-\$) did. or (US-7155182-\$ or US-7312670-\$ or US-6593672-\$ or US-5463285-\$ or US-5600105-\$ or US-7002351-\$ or US-7291901-\$ or US-7087988-\$ or US-6307169-\$ or US-6621137-\$) did. or (WO-2006063257-\$) did. or (JP-2004328561-\$ or JP-2004327877-\$) did. or (EP-1383234-\$ or US-20040214543-\$ or JP-4023372-\$ or JP-2004328561-\$ or JP-2004327877-\$ or US-7002351-\$ or SU-483768-\$) did.	US-PGRUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/05/21 14:14
S87	7	S86 and (MEMS near2 process\$4 or bulk near2 (\$machining) or surface near2 (\$machining))	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/05/21 14:15
S89	17	substrate and capacitor ab.ii. and variable capacitor and fixed capacitor and(MEMS near2 process\$4 or bulk near2 (\$machining) or surface near2 (\$machining) or fusion bonding or LIGA or X-ray lithographic electroforming)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/05/21 14:19
S90	11	water and capacitor.ab.ii. and variable capacitor and fixed capacitor and(MEMS near2 process\$4 or bulk near2 (\$machining) or surface near2 (\$machining) or fusion bonding or LIGA or X-ray lithographic electroforming)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/05/21 14:21
S91	19	capacitor.ab.ii. and variable capacitor and fixed capacitor and(MEMS near2 process\$4 or bulk near2 (\$machining) or surface near2 (\$machining) or fusion bonding or LIGA or X-ray lithographic electroforming)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/05/21 14:22
S92	9130	(MEMS near2 process\$4 or bulk near2 (\$machining) or surface near2 (\$machining) or fusion bonding or LIGA or X-ray lithographic electroforming) same (substrate or water)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/05/21 14:23
S93	229	(MEMS near2 process\$4 or bulk near2 (\$machining) or surface near2 (\$machining) or fusion bonding or LIGA or X-ray lithographic electroforming) same (substrate or water) and capacitor.ab.ii.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/05/21 14:24
S94	149	(MEMS near2 process\$4 or bulk near2 (\$machining) or surface near2 (\$machining) or fusion bonding or LIGA or X-ray lithographic electroforming) same (substrate or water) same (side or surface) and capacitor.ab.ii.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/05/21 14:24

589	12	(MEMS near2 process\$4 or bulk near2 (\$machining) or surface near2 (\$machining) or fusion bonding or LIGA or X-ray lithographic electroforming) same (substrate or wafer) near3 (side or surface) near3 (opposite or under or upper or second) and capacitor; ab,ti.	US-PGRUB; USPAT; USOCR, EPO; JPO; DERIVENT	ADJ	ON	2009/05/21 14:25
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5/ 26/ 2009 6:31:54 AM  
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